

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/966781
Source: OIPE
Date Processed by STIC: 11/06/01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be downloaded from the USPTO website at the following address:
<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: <u>09/966781</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENCLISII "ALPHIA" HEADERS, WHICH WERE INSERTED BY P		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/ed at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to 3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length.	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>.<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>.<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>.<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>.<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (i) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (ii) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (iii) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: <210> sequence id number <400> sequence id number 000	
9 <input checked="" type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>.<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents	
10 <input type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>.<223> section is required when <213> response is Unknown or Artificial Sequence	
11 <input type="checkbox"/> Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/966,781

DATE: 11/06/2001
TIME: 09:39:01

Input Set : A:\PTO.MBH.txt
Output Set: N:\CRF3\11062001\1966781.raw

3 <110> APPLICANT: SOULARD, PATRICIA
5 <120> TITLE OF INVENTION: POLYPEPTIDES EXHIBITING PDE7 ACTIVITY AND THEIR USE FOR
6 SELECTING COMPOUNDS WHICH INHIBIT PDE 7 ENZYME ACTIVITY
9 <130> FILE REFERENCE: A0000281US
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/966,781
C--> 12 <141> CURRENT FILING DATE: 2001-09-28
14 <160> NUMBER OF SEQ ID NOS: 35
16 <170> SOFTWARE: PatentIn Ver. 2.1

Does Not Comply
Corrected Pictette Needed

ERRORED SEQUENCES

Errored Fields 221, 222 and 223 are required when "n" unknowns are present in the sequence strings.

Failure to enumerate n's

757 <210> SEQ ID NO: 35
 758 <211> LENGTH: 2939
 759 <212> TYPE: DNA
 760 <213> ORGANISM: Mus sp.
 762 <400> SEQUENCE: 35
 763 gaattccctcc gttactttt cactccactg cttgcttaat tcccagttcc gacatgggtt 60
 764 acaaataatca gcacatttc aggccatctc gcaaacaaaa tattaaaagg gtgttaagga 120
 765 agaaaagatc tcattgtacc aagttaaat cgactccagc aatgggaaag agcaactgaag 180
 766 agagagagga gcccctgaca tggtgtgtc agtgtgcattt ggtccagaa ccaagtaaaa 240
 767 ttaaaaagcca gcaaagaaga gaaaaacact gtgcaagaaa aatcaactgtg acattaactt 300
 768 catgtgtcta ctgtatctacc aagtatcggt gcagaaggct cacagggagc taactctgt 360
 769 gaattaccct tgacaatcca aaggagacac aatgactgac cagtcagaaa atacaacaaa 420
 770 atccagagac accatataact ccttgcctt ctttcatga gggaaactcat cagatagtca 480
 771 ctgttgactg gacggcattc tcagaamctt gatggggaaa agtccaaag ccacatgcct 540
 772 ctccctgtatg ttctggaaagg gaacgtgtc tctgtggaaac ctcccttcctc ccaacttacc 600
 773 ctgaaaaaaa gatctgctat atttcatttctt ttttctacct gtcacatgtt ttacccttgg 660
 774 aacaatctt gcaagttgca gaactttacc tttttagaaacca aatgcctatg tctgcccattcg 720
 775 tcaaggtgtt aagtccatctt atccaaatgtt gatctaaaca atgacaggta ctgttctgg 780
 776 cgactgtat ccgtggctaa tatcaaagca cctatctgag cctccatctc ttgccttggaa 840
 777 ttacagaaaat aatgagacat ttatgttactt caattttttt tctctttaa gtttaagtat 900
 778 tcagaaaagct ttacaaaacc ctaagataact ctgaaaagggtt ctttgaactt gatataaaag 960
 779 aaagtattat gaagagtgtca tttaaaaata tttaaaaataac taaagttaaa ctaagagttt 1020
 780 tcagggaaaat actacaatgc aaagatgccc aaggaagcgt ctttatgcgt cagccaaag 1080
 781 tcaaattatt tgctttaaaag gagggaaacaa cccmacctaat accattatgc tggttgagaa 1140
 782 aattcttaag aattttctgtt gatattctt gatgtataac aaacaacctt tgctytattt 1200
 783 ttgggtgcctt aggacctaaa aaaagattca ggcagggaaa atattaattt tctagtgtgaa 1260
 784 catctgagaa agatgttttca tgcttaatgtt aataagcatc ttaaaaat tctactcagc 1320
 785 agtttgatca agggggccaga gatgggttca gcaattttatg gtataggctc tttttctttaga 1380
 E--> 786 gggtgggttcc caactccctc atggcagcctt acccataagg taattccctt ttcaagagagt 1440
 787 tcctcaactt ctctctggctc tgggtgttcc accatggatg tgggtgcattt atatacatgt 1500
 E--> 788 aagcnaaata cacatgcacc taaaataatc aagagtcaatg tttttttttt tttttttttt 1560
 789 aatttatctg gggggaaaat gtcacatgtt aatacagacaa gcacatataac tgcatctttt 1620
 790 taaaacccgc ctatatgttca tttaaaaaaaa aaaaaccctc acagagtccac aataagattt 1680
 E--> 791 tcttgggtattt aatggtaaca agaagaccnt tgagatggctt cacaggagtc cttgcctctt 1740
 E--> 792 gagccctgtatg gncttagaggtt catccttggg acccccaaggaa aagcaqacca aagqgwctqct 1800

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/966,781

DATE: 11/06/2001

TIME: 09:39:01

Input Set : A:\PTO.MBH.txt

Output Set: N:\CRF3\11062001\I966781.raw

E--> 793 gaaggcaatc ctcagacctg ttgtgnccac agcacacac 1860
E--> 794 cacacacatt ttagtcacat tcggaaaaan ccaanacagg ttcaaacaaa cncaanactg 1920
E--> 795 aatatttaca cacaaagttt aaaatccang ccggcaagg ttnaaatgtt ttgcacaaca 1980
E--> 796 ccatcatatt ggacttattt aacttttagt tttcttctna tgccacaaa atgncccttag 2040
797 tccttagtat taaatttattt tttaagctat tttctgttgt tttattcatt atccttcacg 2100
E--> 798 acagctccaa agcgtacatn agggcacagg nccttattat cttgtttt ctggcttgc 2160
E--> 799 atatgttgtg gtctgaatat atcttgtat gcactgtcnc tttctgtgta atcttcagg 2220
E--> 800 tatgcacctg aaccctttat tagaaaaaggt acgtacaccc antgagccat tatgtgtgaa 2280
801 gtgactttc acagtaactca aaaaggggta tcttcataa aaataaatac ccaatgtaaa 2340
802 agcgacaact acgttagcagg cttagaatt tgggtataac ttcccttggg tttccagtgt 2400
803 atctgtgtt ggctcacatt tatgtatgtg tgccatgtgt agatatctgt gagctatcat 2460
E--> 804 gtggggagct gggactgaa cccagatctt ctccatagaac agcaaaaatt ctaaactgnt 2520
E--> 805 gagccnttn tccagcacca caattttgat aattttgtt ttgttgtt tttttgttt 2580
E--> 806 tgcttctnng aacagggttt ttctgtatag ccctggctgt cctggaactc antctgtaga 2640
E--> 807 ccaggctgac ctngantcag aaatctgcct gcttctgcct cccaaagagct gggattaaag 2700
808 gcgtgccacg cccagctaat ctgtatittt aaaaagatac gtttagttt atgaaacggg 2760
809 aagctatgga gcagctgaat aacatattt tatcttaatt agtaacttta tttccatagg 2820
810 caatgcattt gtttaagcc accttacctg ctttccaatg gcaagtgtga gaacaaacca 2880
811 gattctctta acaagccac tgcagatctc cagtggtt ctccaggact gaggaattc 2939

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/966,781

DATE: 11/06/2001

TIME: 09:39:02

Input Set : A:\PTO.MBH.txt

Output Set: N:\CRF3\11062001\I966781.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:786 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:35

M:340 Repeated in SeqNo=35